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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/781,082	02/17/2004	Volker Mauer	ALTRP097/A1089	1825
51501	7590	05/19/2005	EXAMINER	
BEYER WEAVER & THOMAS, LLP			MAI, LAM T	
ATTN: ALTERA			ART UNIT	PAPER NUMBER
P.O. BOX 70250			2819	
OAKLAND, CA 94612-0250			DATE MAILED: 05/19/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/781,082	MAUER, VOLKER	
	Examiner	Art Unit	
	LAM T. MAI	2819	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 17 February 2004.

2a) This action is **FINAL**. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-43 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) Claim(s) 4-41 is/are allowed.

6) Claim(s) 1-3, 42-43 is/are rejected.

7) Claim(s) _____ is/are objected to.

8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.

 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) All b) Some * c) None of:
1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892)
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 2/17/04.

4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.

5) Notice of Informal Patent Application (PTO-152)

6) Other: _____.

DETAILED ACTION***Specification***

The lengthy specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-3 and 42-43 are rejected under 35 U.S.C. 102(b) as being anticipated by Wessel et al.

Regarding claim 1, Wessel discloses in figure 4 an amplifier circuit that teaches an module for generate index value (34) of input signal, and a look up table (70) for providing correction factors in response to each of index value and conditioning module (60) for compensating at least in part of the distortion corresponding to the input signal (see col. 6, and 6 and figures 4 and 7).

Regarding claim 2, Wessel discloses in figure 4 an amplifier circuit that teaches a look up table (70) for providing correction factors in response to an index value and conditioning module (60) for compensating at least in part of the

distortion corresponding to the input signal (see col. 6, and 6 and figures 4 and 7).

Regarding claim 3, Wessel teaches in figure 4 and 7 a module (34) for generating the index value.

Regarding claim 42, Wessel discloses in figure 4 a circuit that teaches a predistorer having an module for generate index value (34) of input signal, and a look up table (70) for providing correction factors in response to each of index value and conditioning module (60) for compensating at least in part of the distortion corresponding to the input signal (see col. 6, and 6 and figures 4 and 7).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 43 is rejected under 35 U.S.C. 103(a) as being unpatentable over Wessel et al (USP 6,275,685).

Regarding claim 43, Wessel fails to teach a electronic system is from a group consisting of ASIC, PLD, DSP/PLD, and ASIC/DSP. However, it would have been obvious to one of ordinary skill in the art at the time of invention to apply the circuit to any of ASIC, PLD, DSP/PLD and ASIC/DSP system to satisfy the need of the system.

Allowable Subject Matter

Claims 4-41 are allowable. The prior art fails to teach or suggest a circuit and a method for a predistorter operable to compensate for distortion introduced by a semiconductor device that implement a feedback module configured to receive a feedback signal from the semiconductor device, the feedback signal being the result of the current input signal having been processed by the semiconductor device and a comparator configured for aligning the current input signal and the feedback signal in determined a differential value.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LAM T. MAI whose telephone number is (571)272-1807. The examiner can normally be reached on 6:00 am - 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mike Tokar can be reached on (571) 272-1812. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Lam T. Mai
Art Unit 2819